

REQUEST FOR PURCHASE IN EXCESS OF \$20,000/CHANGE ORDER



To: Edina City Council

Agenda Item #: IV.F.

From: Susie Miller, Braemar Arena General Manager

The Recommended Bid is

☒ Within Budget

☐ Not Within Budget

Date: September 17, 2013

Subject: Request for Purchase - Replacement of West Arena Low E Ceiling – Braemar Arena

Date Bid Opened or Quote Received:

August 20, 2013

Bid or Expiration Date:

Company:

Energie Innovation Inc.

Custom Ice USA

Twin City Acoustics, Inc

Amount of Quote or Bid:

\$47,480.00 (Inc. Demo of Existing Ceiling & Light Fixtures)

\$51,275.00 (Inc. Demo of Existing)

\$88,598.00 (Does not include Demo)

Recommended Quote or Bid:

Energie Innovation Inc. \$47,480.00

General Information:

The existing Low Emissivity Ceiling is panels that are strung the width of the sheet of ice and supported by cabling. The intent of the Low E Ceiling is to provide energy efficiency, brighten the space and provide a more appealing look. The Low E Ceiling installed in the West Arena is falling down. In 2011, two panels were removed because they were hanging down and pucks were getting stuck in them. Since the West Arena is the main rink for high school games, figure skating show, and large special events it is important to replace them one year prior to the 2014 replacement cycle. The existing Low E Ceiling panels were installed in 1994.

We are recommending replacing the existing panels with an Astro-Rink Low Emissivity Ceiling. The Astro-Rink ceiling is reflective insulation and contains two layers of bubble film that is reinforced with metalized film on both sides. The material is framed in for durability as well as appearance. The bubble insulation material provides an R value and the material is 95% reflective on both sides to provide increased energy efficiency.

The three bids received are for comparable products to the Astro-Rink two layer bubble insulation and metalized film on both sides. The Custom Ice USA company offers three products. The EnerShield-DBF coverage is the product that is comparable to the Astro-Rink.

REQUEST FOR PURCHASE
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The Astro-Rink product will provide:

- 25% average reduction in refrigeration costs per year
- Reduced radian loads to the ice surface
- Increased roof insulation
- A condensation and drip free arena
- 40% increase in light levels
- Improved acoustics

This is a 2013 CIP item. We have \$75,000 budgeted.

Attachments:

Energie Innovation Inc. Quote

Custom Ice USA Quote

Twin City Acoustics, Inc. Quote



ENERGIE
INNOVATION INC.

August 20, 2013

Reference: **ASTRO-RINK** low-emissivity reflective insulated ceiling at the Braemar Arena, Edina, MN West Rink

Dear Mrs. Miller,

First of all, let me thank you for your interest in our revolutionary reflective insulating and low emissivity ceiling products. Energie Innovation is a company that specializes in the supply and installation of reflective insulating materials to the growing market of energy conservation industries, from residential and commercial to industrial and agricultural applications, since 1989.

Let me now introduce our **ASTRO-RINK** product, the best low emissivity ceiling for your arena or curling club projects.

ASTRO-RINK reflective insulation is composed of 2 layers of bubble film with reinforced aluminum metalized films on both sides (MPET/Bubble/Bubble/MPET). These bubbles form trapped air spaces between the aluminum surfaces to give the structure excellent "R" values. Because **ASTRO-RINK** is also impervious to moisture and air currents, it is an ideal convection and vapor barrier. The material is reinforced to prevent damages caused by pucks and other flying objects; therefore protective netting is not required. Most importantly **ASTRO-RINK** reflects heat away from your ice surface.

You will benefit from:

- **25 % average reduction in refrigeration costs per year**
- **Reduced radiant loads to the ice surface**
- **Increased roof insulation**
- **A condensation and drip free arena**
- **40 % increase in the light levels**
- **Improved acoustics**

In Addition, the **ASTRO-RINK** low emissivity ceiling is completely maintenance free for life and all our reflective insulation products are considered user friendly.

Many of our clients have benefited from incentive programs offered by their local utility companies. We at Energie Innovation can help you benefit from these incentives by providing detailed feasibility study analysis for the installation of our **ASTRO-RINK** reflective ceiling.

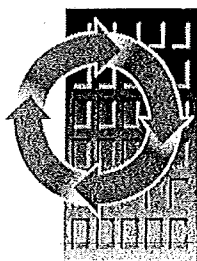
I would like to take this opportunity to thank you for taking the time and discovering our revolutionary product. Feel free to visit us on our web site at www.energie-innovation.com and discover the potential for future energy savings and improved skating environment.

Please feel free to contact me if you have any questions or require additional information.

Best regards,

Robert Baljak

Robert Baljak
Energie Innovation Inc.



**ENERGIE
INNOVATION INC.**

2970 Halpern Street

St-Laurent, QC

H4S 1R2, Canada

Tel: 514-334-3783

Fax: 514-334-3925

Date: 20 August, 2013

ESTIMATION No 2013-617

Name:	Braemar Arena Attn: Susie Miller
Address:	7501 Ikola Way
City:	Edina
State:	MN
Zip:	55439
Tel / Fax:	T. 952-833-9502; F. 952-833-9501; smiller@EdinaMN.gov

Qty	Description	Unit Price	TOTAL (USD)
	<u>Project: Astro-Rink low emissivity ceiling installation in the West Rink at the Braemar Arena, Edina, MN</u>		
	<u>Option #1: Standard installation</u> To supply and install an Astro-Rink low emissivity ceiling in one ice rink. The reflective insulated ceiling will be installed below the steel deck (standard installation). We will cover the area above the ice surface up to the ductwork that runs along both sides of the ice surface and up to 4' outside of the ice surface at the ends of the ice rink. We will also leave an 8" air space along the entire ducts to permit for air circulation.		\$41,850.00
	<u>Option #2: Installation suspended 4" below steel deck</u> To supply and install an Astro-Rink low emissivity ceiling in one ice rink. The reflective insulated ceiling will be suspended 4" below the steel deck. We will cover the area above the ice surface up to the ductwork that runs along both sides of the ice surface and up to 4' outside of the ice surface at the ends of the ice rink. We will also leave an 8" air space along the entire ducts to permit for air circulation.		\$46,960.00
	<u>Option #3: Removal of existing low-e ceiling</u> Remove existing cable hung low emissivity ceiling and accessories. The waste container to be provided by the client.		\$1,680.00
	<u>Option #4: Removal of existing lights fixtures</u> Remove existing light fixtures that are no longer in use in the ice rink area (approximately 45). Client must certify that there is no more power connected to the light fixtures before we proceed with removal. The waste container to be provided by the client.		\$3,950.00

	Astro-Rink reflective insulation is composed of 2 layers of bubble film with reinforced aluminum metalized films on both sides (MPET/Bubble/Bubble/MPET).		
		Total	USD \$

The price quoted for installation of Astro-Rink insulation is as described:

Galvanized "U" bars will be used to build up the ceiling framework. They will be attached to the existing steel deck with the help of HEX head zinc plated self-drilling screws at 4' center to center. This built-up framework will be used to keep the material in place. Permanent support is then ensured by the use of double sided adhesive tape and HEX head zinc plated sharp point screws spaced approximately 18" apart, through the insulation and into the framework. Finally, all seams will be sealed with 3" aluminum tape. The rolls of reflective insulation will run the length of the building.

Warranty: 5 years on labor and lifetime on Astro-Rink material.

Price is valid for 60 days and does not include taxes if applicable. Price does not include building permit or engineering fees if applicable. Priced using non-union labor.

Robert Baljak
Robert Baljak
Energie Innovation Inc.

August 20, 2013
Date

QUOTATION

July 24th, 2013
2 Pages

Doug Bauman
Braemar Arena
7501 Ikola Way
Edina, MN 55439

RE: Braemar Arena – Low Emissivity Ceiling

The following proposal is for the supply and installation of a Low Emissivity Ceiling at the Braemar Arena in Edina, MN. The ceilings will cover the ice surface and extend approximately 5' outwards on each side. The approximate ceiling coverage will be 95' x 210' with the material installed below the beams following the flat contour of the building structure. Pricing options are listed below for several installation types and materials.

The first option is "EnerShield-AD" and shall be suspended on aircraft cable similar to the existing ceiling. A price option is listed to install horizontal netting extending out approximately 50' from the ends of the rink to protect the ceiling from puck damage. The second option is "EnerShield-PR" which is a heavier grade material to protect against errant pucks and is also suspended on aircraft cable similar to the existing ceiling. The third option is a bubble insulation Low-E fabric, "EnerShield-DBF", and will be installed on steel channels attached to the roof structure above the rink.

The prices include all materials, hardware, labour, manlift rental, insurance and freight for each type of installation. This does not include the ducting of vents, lowering of lights, lowering of fans, or the installation or removal of other arena equipment. A price has also been listed to remove and dispose of the existing ceiling prior to installing a new one on the same trip.

The price for 95' x 210' EnerShield-AD coverage.....\$ 28,650.00
The price for horizontal netting extending to the blue lines in each end.....\$ 4,300.00
The price for 95' x 210' EnerShield-PR coverage.....\$ 40,250.00
The price for 95' x 210' EnerShield-DBF coverage.....\$ 51,275.00
The price to remove and dispose of the existing Low-E ceiling.....\$ 3,000.00

- Exclusions - Applicable taxes are extra
- Union or prevailing wages
- Separate trips for removal of existing ceiling or netting addition
- Terms - All pricing is in US Funds
- 50% Deposit, 30% 1 week prior to shipping, 20% Balance upon completion
- Other Items Subject to Custom Ice Standard Terms and Conditions as approved by Custom Ice Credit staff

Thank you.

Sincerely,

Jake Miller
Custom Ice Inc.

TWIN CITY ACOUSTICS, INC.

PROPOSAL

Twin City Acoustics
2655 Cheshire Lane N
Plymouth MN 55447

Braemer Arena

Date: 9/6/2013

Job Name/Location West Ice Sheet

Plans and Specifications by:

Doug Bauman

Architect:

Addends:

We propose to furnish the following materials for the above job in accordance with the terms and conditions below.
Labor and equipment for installation is included unless specifically stated to the contrary

763-535-6697 Fax 763-535-5309:

www.tcacoustics.com

Acoustical Ceilings

09510

Labor and materials to furnish and install an insulation system above ice sheet using the specified sample product. This will be fastened to a grid system.

\$ 88,598.00

Demo of existing system not included in price

Material, labor and sales tax included in price

Note: Dumpsters, sweeping, and final cleaning to be furnished by General Contractor at no cost to Twin City Acoustics, Inc. Seismic bracing not included in cost.

For the sum of see above \$ see above

FOB Jobsite Delivery as required

This proposal is subject to acceptance within 30 days.

TERMS: Net cash payment for 90% of value of materials delivered on job, and labor for installing materials in job during previous 30 day period; shall be due 10th of following month, balance net cash 30 days after completion.

All taxes now or hereafter levied by any federal, state or local authority, upon sale of foregoing materials, are not included in the price and shall be paid by purchaser unless specifically stated otherwise in this proposal.

Accepted By: _____

TWIN CITY ACOUSTICS, INC.

By: _____ Title _____

By _____
Scott Gallop